Bell 212
VFR / IFR Glass Cockpit Upgrade

The StandardAero glass cockpit upgrade for the Bell 212 addresses obsolescence challenges with a complete economical solution that brings together proven, high-quality flight displays from Universal Avionics, dual touchscreen navigators and a mandate-compliant ADS-B transponder from Garmin, and a lightweight Attitude Heading Reference System (AHRS) replacement from Rockwell Collins Aerospace.

FAA STC: SR02512AK

StandardAero's certified Bell 212 glass cockpit upgrade provides civilian and military operators with enhanced safety through improved situational awareness and reduced pilot workload while effectively managing aircraft obsolescence for operators desiring to extend and maximize their aircraft's lifetime. The VFR / IFR capable solution introduces the latest technology into the cockpit that can interface with additional enhancements, including Night Vision Imaging Systems (NVIS), Helicopter Terrain Awareness System (HTAWS), Traffic Collision, Avoidance Systems (TCAS), electro-optical and infrared imaging systems, moving maps, broadcast weather, analog video among others. The glass cockpit upgrade is also compatible with both Honeywell and Bell autopilot systems.

Type Certificate Number	Make	Model
H4SW	Bell Helicopter Textron, Inc	B212

Benefits
• Modern economical upgrade that addresses aircraft obsolescence to extend the usefulness of this proven machine
• Improved safety through a reduction in crew workload and subsequent pilot fatigue
• Lightweight solution reduces the LRU count with reliable advanced technologies
• Improved supportability of modern technologies results in better-operating costs for operators

Features
- Only FAA certified solution for IFR and VFR operations
- Compatible with both Honeywell and Bell autopilot systems
- ADS-B In / Out compliant
- NVIS compatible
- Field retrofittable
- Nav display with broadcast weather, weather radar, traffic in, HTAWS
- Nav display with Vision-1® exocentric view
- Centralized touchscreen navigation
- Dual centralized touchscreen navigation units where:
    - The entire flight plan can be entered and visualized
    - Flight plans and custom waypoints can be saved and reloaded
    - Maps can have overlays of potential hazards such as terrain, weather and traffic
- Legacy gyros are replaced with lighter and more reliable Collins Aerospace AHRS

Kit Contents
- Dual Universal Avionics EFI-890H Primary Flight Displays
- Dual Garmin GTN 750 Xi NAV/COM/GPS/HTAWS, plus GTX-345R ADS-B Transponder
- Dual Collins Aerospace AHC-1000 AHRS
- Dual Thommen AC32 Digital Air Data Computers
- L3 Harris GH-3900.2 Electronic Standby Instrument System
- Honeywell RDR-2100 Digital Weather Radar System
- Bendix King KDM 706A Distance Measuring Equipment
- PS Engineering MB10R Marker Beacon Receiver
- Document package containing FMS, ICA, electrical and mechanical install drawings and other peripheral modifications
- Laser cut brackets, NVIS compatible LED overlays

Product Certifications
- Universal EFI-890H: FAA TSO C113
- Garmin GTN 750 Xi: FAA TSO C34e; 2C34f; C36e; 2C36f; C40c; 2C40c; C74d; C112e; C128a; 2C128; C146e; C151d; C157b; 165b; C169a; 2C169a; C194; C195b; C209
- Garmin GTX-345R: FAA TSO C88b, C112e, C145d, C154c, C157a, C157b, C166b, C195a, C195b
- Collins Aerospace AHC-1000: FAA TSO C4c, C6d
- Thommen AC32: FAA TSO C10b, C88a, C106
- L3 GH-3900.2: FAA TSO C2d, C3e, C4c, C6e, C8e, C10b, C34e, C35d, C36e, C40c, C46a, C66c, C95a, C106, C113, C115b, C146c
- Honeywell RDR-2100: FAA TSO C63c

Technical Information

PFD Unit Size (HxW)	7.42 in. x 7.84 in. x 9.79 in.	DADC Unit Size (HxW)	3.26 in. x 3.165 in. x 9.3 in.
PFD Display Size (HxW)	6.3 in. x 6.3 in. (8.9 in. diagonal)	ESIS Unit Size (WxHxD)	3.28 in. x 3.28 in. x 9.63 in.
PFD Resolution	780 x 780, 124.5 GPI	ESIS Display Size (HxWxD)	3.19 in. x 3.19 in.
NAV Unit Size (HxWxD)	6.25 in. x 6 in. x 11.25 in.	RDR Unit Size (HxWxD)	6.4 in. x 4.5 in. x 13.57 in.
NAV Display Size (WxH)	4.46 in. x 5.27 in. (6.9 in. diagonal)	DME Unit Size (WxHxD)	3 in. x 5.25 in. x 12.8 in.
NAV Resoltuion	600 x 708	Marker Receiver Unit Size (WxHxD)	2.8 in. x 0.95 in. x 4.85 in.
ADS-B Unit Size (HxW)	6.3 in. x 1.7 in. x 9.9 in.		

Competitive Pricing - Contact StandardAero for quotes and details.

Langley
#48 – 21330 56 Avenue | Langley, BC | V2Y 0E5 | Canada
Tel: +1 604.514.0388 | AFsales@StandardAero.com